



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Daishi YOSHIKAWA et al.

Group Art Unit: 1745

Application No.: 10/646,686

Examiner: Gregg CANTELMO

Filed: August 25, 2003

Docket No.: 116925

For: ELECTROLYTE MEMBRANES FOR USE IN FUEL CELLS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, Notice of Allowance or other action that closes prosecution (e.g., Quayle Action).
- a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- 2. One or more reference cited herein was cited in a counterpart foreign application. An English language version of the foreign office action is attached for the Examiner's information. *See References 2-4.*
- 3. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.
- 4. An English language Abstract of one or more non-English language reference is attached hereto. *See References 2-4.*

- 5. A computer-generated English language translation of one or more Japanese Patent Publication cited herein has been obtained from the website of the Japanese Patent Office ([<http://www.jpo.go.jp>]), and is attached, but has not been reviewed for accuracy. *See References 3, 4.*
- 6. A partial English language translation of one or more Japanese Patent Publication cited herein is attached. *See Reference 2.*
- 7. Reference 1 corresponds to reference 4.

Respectfully submitted,



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JAO:JML/jml

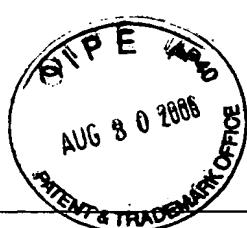
Date: August 30, 2006

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Form PTO-1449 (REV. 1/06)			US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 116925		APPLICATION NO. 10/646,686	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			APPLICANT(S) Daishi YOSHIKAWA et al.					
			FILING DATE August 25, 2003			GROUP 1745		
U.S. PATENT DOCUMENTS								
Examiner Initials	Cite No.	Document Number	Date	Name				
	1	6,485,856						
FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Document Number	Date	Country		With English Abstract	With English Translation	
	2	JP 2001-247741 A	09/11/2001	JAPAN		X	X	
	3	JP 10-312815 A	11/24/1998	JAPAN		X	X	
	4	JP 2001-32162 A	02/06/2001	JAPAN		X	X	
OTHER DOCUMENTS								
Examiner Initials	Cite No.	(Including Author, Title, Date, Pertinent Pages, etc.)						
EXAMINER							DATE CONSIDERED	
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Form PTO-1449 (REV. 8-83)			US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 116925		APPLICATION NO. 10/646,594	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)								
			APPLICANT(S) Daishi YOSHIKAWA					
			FILING DATE August 25, 2003				GROUP 1745	
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME			CLASS	SUB CLASS
	1	5,677,074	10/14/1997	Serpico et al.				
	2	5,783,325	07/21/1998	Cabasso et al.				
	3	5,861,222	01/19/1999	Fischer et al.				
	4	6,444,343	09/03/2002	Prakash et al.				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY			CLASS	SUB CLASS
	5	EP 1 202 365 A1	05/02/2002	Europe				
	6	JP 11-135137 (w/ Abstract)	05/21/1999	Japan				
	7	JP 07-065624 (w/ Abstract)	03/10/1995	Japan				
	8	JP 64-022932 (w/ Abstract)	01/25/1989	Japan				
	9	JP 03-208260 (w/ Abstract)	09/11/1991	Japan				
	10	JP 03-098632 (w/ Abstract)	04/24/1991	Japan				
	11	JP 09-120827 (w/ Abstract)	05/06/1997	Japan				
	12	JP 2001-106831 (w/ Abstract)	04/17/2001	Japan				
	13	JP 2001-123081 (w/ Abstract)	05/08/2001	Japan				
	14	JP 2001-261967(w/ Abstract)	09/26/2001	Japan				
	15	JP 2001-052721 (w/ Abstract)	02/23/2001	Japan				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)								
	16	Masatake Yamamoto et al., <u>Carbon Molecular Sieve Membrane Formed By Oxidative Carbonization Of A Copolyimide Film Coated On A Porous Support Tube; Journal of Membrane Science; vol. 133, 195-205; (1997)</u> .						
EXAMINER							DATE CONSIDERED	
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								



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Form PTO-1449 (REV. 8-83)			US Dept. of Commerce PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		ATTY DOCKET NO. 116925		APPLICATION NO. 10/646,594	
					APPLICANT(S) Daishi YOSHIKAWA			
					FILING DATE August 25, 2003		GROUP 1745	
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME			CLASS	SUB CLASS
	17	6,689,505	02/10/2004	Albers et al.				
	18	2001-0055710	12/27/2001	Saito et al.				
	19	2002-0015876	02/07/2002	Saito et al.				
	20	2003-0031912	02/13/2003	Saito et al.				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY			CLASS	SUB CLASS
	21	JP 2001-335695 (w/ Abstract)	12/04/2001	Japan				
	22	JP 2000-268828 (w/ Abstract)	09/29/2000	Japan				
	23	JP 2001-126744 (w/ Abstract)	05/11/2001	Japan				
	24	JP 10-334927 (w/ Abstract)	12/18/1998	Japan				
	25	JP 08-222241 (w/ Abstract)	08/30/1996	Japan				
	26	JP 2002-114573 (w/ Abstract)	04/16/2002	Japan				
	27	JP 2001-181519 (w/ Abstract)	07/03/2001	Japan				
	28	JP 2002-198067 (w/ Abstract)	07/12/2002	Japan				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)								
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